



Attorney Docket No. DPAC-052A
AK Matter No.: 155574

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Title: CSP Chip Stack with Flex Circuit
Application No.: 10/016,939
Filing Date: December 14, 2001
Inventor: Glen E. Roeters
Assignee: Staktek Group L.P.
Examiner: David A. Zarneke
Art Unit: 2829

INFORMATION DISCLOSURE STATEMENT

Mail Stop - Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Pursuant to the guidelines for Information Disclosure Statements, 37 C.F.R. §§ 1.97-1.98, attached hereto are Forms PTO/SB/08A and PTO/SB/08B (20 sheets) with references listed for consideration by the Office.

Pursuant to Official Gazette Notice No. 14, dated August 5, 2003, copies of the listed written U.S. references are not enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the listed written foreign references and publications are being provided.

In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b) or prior art under 35 U.S.C. §§ 102 or 103.

The examiner should also be aware of the following co-pending applications:

App. Ser. No. 10/136,890 filed 5/02/02

App. Ser. No. 10/400,309 filed 3/27/03

08/11/2005 EFLORES 00000008 503534 10016939

01 FC:1806 180.00 DA

AUS:572858.1

App. Ser. No. 10/435,192 filed 5/09/03
App. Ser. No. 10/453,398 filed 6/03/03
App. Ser. No. 10/457,608 filed 6/09/03
App. Ser. No. 10/624,097 filed 7/21/03
App. Ser. No. 10/631,886 filed 7/14/03
App. Ser. No. 10/709,732 filed 5/25/04
App. Ser. No. 10/804,452 filed 3/19/04
App. Ser. No. 10/814,530 filed 3/31/04
App. Ser. No. 10/814,532 filed 3/31/04
App. Ser. No. 10/828,495 filed 4/20/04
; App. Ser. No. 10/836,855 filed 4/30/04
App. Ser. No. 10/845,029 filed 5/13/04
- App. Ser. No. 10/872,897 filed 6/21/04
App. Ser. No. 10/873,847 filed 6/22/04
App. Ser. No. 10/913,220 filed 8/06/04
App. Ser. No. 10/914,483 filed 8/09/04
App. Ser. No. 10/917,216 filed 8/12/04
App. Ser. No. 10/931,828 filed 9/01/04
App. Ser. No. 10/940,074 filed 9/14/04
App. Ser. No. 10/956,442 filed 10/01/04
App. Ser. No. 10/958,584 filed 10/05/04
App. Ser. No. 10/958,924 filed 10/05/04
App. Ser. No. 10/958,934 filed 10/05/04
App. Ser. No. 10/963,867 filed 10/12/04
App. Ser. No. 10/978,149 filed 10/29/04

App. Ser. No. 11/003,168 filed 12/03/04

App. Ser. No. 11/011,469 filed 12/14/04

App. Ser. No. 11/015,521 filed 12/17/04

App. Ser. No. 11/039,615 filed 1/20/05

App. Ser. No. 11/040,564 filed 1/21/05

App. Ser. No. 11/051,815 filed 2/04/05

App. Ser. No. 11/074,026 filed 3/04/05

App. Ser. No. 11/116,981 filed 4/28/05

App. Ser. No. 11/131,812 filed 5/18/05

App. Ser. No. 11/173,445 filed 7/01/05

App. Ser. No. 11/175,562 filed 7/05/05

The Commissioner is hereby authorized to charge the filing fee of \$180 and any other fees which may be required in connection with the filing, or to credit any overpayment to Deposit Account No. 50-3534, upon which account the undersigned has the authority to sign. **A duplicate copy of Forms PTO/SB/08A and PTO/SB/08B are enclosed.**

Respectfully submitted,

ANDREWS KURTH LLP

Date Aug. 9, 2005

By:



J. Scott Denko

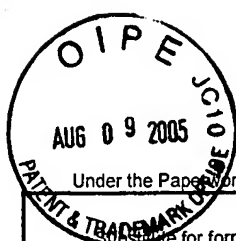
Patent Reg. No. 37,606

111 Congress Ave., Suite 1700

Austin, Texas 78701

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/016,939
				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
				Examiner Name	David A. Zarneke
Sheet	1	of	13	Attorney Docket Number	DPAC-052A / AK 155574

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6,919,626 B2	7/19/2005	Burns	
		US-6,914,324 B2	7/5/2005	Rapport, et al.	
		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653 B2	4/26/2005	Larson	
		US-6,803,651 B1	10/12/2004	Chiang	
		US-6,709,893 B2	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584 B2	2/10/2004	Uzuka, et al.	
		US-6,683,377 B1	1/27/2004	Shim, et al.	
		US-6,677,670 B2	1/13/2004	Kondo	
		US-6,620,651 B2	9/16/2003	He, et al.	
		US-6,614,664 B2	9/2/2003	Lee	
		US-6,600,222 B1	7/29/2003	Levarado	
		US-6,590,282 B1	7/8/2003	Wang, et al.	
		US-6,588,095 B2	7/8/2003	Pan	
		US-6,576,992 B1	6/10/2003	Cady, et al.	
		US-6,572,387 B2	6/3/2003	Burns, et al.	
		US-6,560,117 B2	5/6/2003	Moon	
		US-6,552,910 B1	4/22/2003	Moon, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/016,939	
Sheet		2	of	13	Filing Date	December 14, 2001
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		Number-Kind Code ² (if known)			
		US-6,514,793 B2	2/4/2003	Isaak	
		US-6,509,639	1/21/2003	Lin	
		US-6,489,687 B1	12/3/2002	Hashimoto	
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		US-6,486,544 B1	11/26/2002	Hashimoto	
		US-6,465,893 B1	10/15/2002	Khandros, et al.	
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		US-6,426,560 B1	7/30/2002	Kawamura, et al.	
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		US-6,410,857 B1	6/25/2002	Gonya	
		US-6,376,769 B1	4/23/2002	Chung	
		US-6,329,708	12/11/2001	Komiyama	
		US-6,316,825	11/13/2001	Park, et al.	
		US-6,310,392	10/30/2001	Burns	
		US-6,300,679 B1	10/9/2001	Mukerji, et al.	
		US-6,288,907 B1	9/11/2001	Burns	
		US-6,285,560	9/4/2001	Lyne	

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		Number-Kind Code ² (if known)			
		US-6,281,577 B1	8/28/2001	Oppermann, et al.	
		US-6,265,660 B1	7/24/2001	Tandy	
		US-6,225,688 B1	5/1/2001	Kim, et al.	
		US-6,208,521 B1	3/27/2001	Nakatsuka	
		US-6,205,654 B1	3/27/2001	Burns	
		US-6,187,652 B1	2/13/2001	Chou, et al.	
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		US-6,121,676	9/19/2000	Solberg	
		US-6,084,294	7/4/2000	Tomita	
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		US-6,014,316	1/11/2000	Eide	
		US-6,002,167	12/14/1999	Hatano, et al.	
		US-5,973,395	10/26/1999	Suzuki, et al.	
		US-5,963,427	10/5/1999	Bolleson	
		US-5,922,061	7/13/1999	Robinson	

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				Application Number	10/016,939	
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		Number-Kind Code ² (if known)			
		US-5,917,709	6/29/1999	Johnson, et al.	
		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	
		US-5,805,422	9/8/1998	Otake, et al.	
		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
		US-5,789,815	8/4/1998	Tessier, et al.	
		US-5,783,464	7/21/1998	Burns	
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		US-5,776,797	7/7/1998	Nicewarner, Jr., et al.	
		US-5,764,497	6/9/1998	Mizumo, et al.	
		US-5,763,296	6/9/1998	Casati, et al.	
		US-5,729,894	3/24/1998	Rostoker, et al.	
		US-5,657,537	8/19/1997	Saia, et al.	
		US-5,642,055	6/24/1997	Difrancesco	
		US-5,588,205	12/31/1996	Roane	
		US-5,523,695	6/4/1996	Lin	
		US-5,502,333	3/26/1996	Bertin, et al.	
		US-5,477,082	12/19/1995	Buckley III, et al.	
		US-5,438,224	8/1/1995	Papageorge, et al.	

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		US-5,428,190	6/27/1995	Stopperan	
		US-5,394,303	2/28/1995	Yamaji	
		US-5,386,341	1/31/1995	Olson, et al.	
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		US-5,057,903	10/15/1991	Olla	
		US-5,041,902	8/20/1991	McShane	
		US-4,763,188	8/9/1988	Johnson	
		US-4,712,129	12/8/1987	Orcutt	

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(Use as many sheets as necessary)

Sheet 6 of 13

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		US-4,437,235	8/21/1994	Burns	
		US-3,983,547	9/28/1976	Almasi	
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STATEMENT BY APPLICANT**

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Sheet	7	of	13	Application Number	10/016,939
				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
				Examiner Name	David A. Zarneke
				Attorney Docket Number	DPAC-052A / AK 155574

U.S. PATENT DOCUMENTS

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of

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Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zarneke
Attorney Docket Number	DPAC-052A / AK 155574

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				Application Number	10/016,939
				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
				Examiner Name	David A. Zarneke
Sheet	9	of	13	Attorney Docket Number	DPAC-052A / AK 155574

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				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
				Examiner Name	David A. Zarneke
Sheet	10	of	13	Attorney Docket Number	DPAC-052A / AK 155574

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Sheet 11 of 13

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Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zarneke
Attorney Docket Number	DPAC-052A / AK 155574

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Sheet 12 of 13

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Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zarneke
Attorney Docket Number	DPAC-052A / AK 155574

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/016,939
				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
				Examiner Name	David A. Zarneke
				Attorney Docket Number	DPAC-052A / AK 155574
Sheet	13	of	13		

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(Use as many sheets as necessary)

Sheet

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of

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Complete if Known

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Attorney Docket Number	DPAC-052A / AK 155574

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		Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)				
		JP 2001/077294 (A)	3/23/2001	Katsumasa		
		JP 2001/085592 (A)	3/30/2001	Wada		
		JP 2001/332683 (A)	11/30/2001	Kabasawa		
		JP 2003/086760 (A)	3/20/2003	Masataka, et al.		
		JP 2003/086761 (A)	3/20/2003	Iwao, et al.		
		JP 2003/037246 (A)	2/7/2003	Echigova		

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		Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)				
		WO 03/037053 A1	5/1/2003	Cady, et al.		
		JP 2000/307029 (A)	11/2/2000	Mitsuru		
		JP 2003/309247 (A)	10/31/2003	Mitsuru		
		JP 2003/347475 (A)	12/5/2003	Mitsuru		
		JP 2003/347503 (A)	12/5/2003	Toshiyuki, et al.		✓
		JP 4-4368167 (A)	12/21/1992	Omura		

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		JP 4-209562 (A)	7/30/1992	Uzuka, et al.		✓
		JP 62-230027 (A)	8/10/1987	Nakamura		
		JP 63-153849 (A)	6/27/1998	Matsubara		
		DE 004214102 A1	12/3/1992	Chun		
		DE 004215467 A1	11/12/1992	Chun		
		EP 0426-303 (A2)	10/1/1990	Leqq, et al.		

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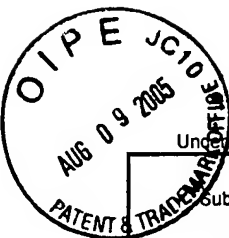
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		Flexible Printed Circuit Technology - A Versatile Interconnection Option. (Website 2 pages) Fjelstad, Joseph. December 3, 2002.	
		Die Products: Ideal IC Packaging for Demanding Applications - Advanced packaging that's no bigger than the die itself brings together high performance and high reliability with small size and low cost. (Website 3 pages with 2 figures) Larry Gilg and Chris Windsor. December 23, 2002. Published on Internet.	
		Tessera uZ Ball Stack Package. 4 figures that purport to be directed to the uZ - Ball Stacked Memory, Published on the Internet.	
		Chip Scale Review Online - An Independent Journal Dedicated to the Advancement of Chip-Scale Electronics. (Website 9 pages) Fjelstad, Joseph, Pacific Consultants L.L.C., Published Jan 2001 on Internet.	
		Flexible Thinking: Examining the Flexible Circuit Tapes. (Website 2 pages) Fjelstad, Joseph., Published 4/20/2000 on Internet.	
		Ron Bauer, Intel. "Stacked-CSP Delivers Flexibility, Reliability, and Space-Saving Capabilities", Volume 3, Spring 2002. Published on the Internet.	
		Tessera Technologies, Inc. - Semiconductor Intellectual Property, Chip Scale Packaging - Website pages (3), Internet	
		Tessera Introduces uZ ä - Ball Stacked Memory Package for Computing and Portable Electronic Products Joyce Smaragdis, Tessera Public Relations, Sandy Skees, MCA PR (www.tessera.com/news_events/press_coverage.cfm); 2 figures that purport to be directed to the uZ ä - Ball Stacked Memory Package. Published 7/17/2002 in San Jose, CA	
		WILLIAM R. NEWBERRY, Design Techniques for Ball Grid Arrays, Xynetix Design Systems, Inc., Portland, Maine, Published on the Internet.	
		Chip Scale Packaging and Redistribution, Paul A. Magill, Glenn A. Rinne, J. Daniel Mis, Wayne C. Machon, Joseph W. Baggs, Unitive Electronics Inc.	

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		Dense-Pac Microsystems, 16 Megabit High Speed CMOS SRAM DPS1MX16MKn3	
		Dense-Pac Microsystems, 256 Megabyte CMOS DRAM DP3ED32MS72RW5	
		Dense-Pac Microsystems, Breaking Space Barriers, 3-D Technology 1993	
		Dense-Pac Microsystems, DPS512X16A3, Ceramic 512K X 16 CMOS SRAM Module.	
		IBM Preliminary 168 Pin SDRAM Registered DIMM Functional Description & Timing Diagrams	
		3D Interconnection for Ultra-Dense Multichip Modules, Christian VAL, Thomson-CSF DCS Computer Division, Thierry Lemoine, Thomson-CSF RCM Radar Countermeasures Division	
		High Density Memory Packaging Technology High Speed Imaging Applications, Dean Frew, Texas Instruments Incorporated	
		Vertically-Integrated Package, Alvin Weinberg, Pacesetter, Inc. and W. Kinzy Jones, Florida International University	
		1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992	
		IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981	

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		IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978	
		IBM Technical Disclosure Bulletin, vol. 32, No. 3B, Aug. 1989	
		Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987	

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